

Environmental Test Chambers/Seed Germinators

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Seed Germinators

These Microprocessor Controlled Environmental Test Chambers are widely used for testing of electronic and electrical components, corrosion test on mechanical assemblies, tests on packages, paints & varnishes, cement plants & variety of other applications. Seed Germinators are useful for seed testing, biological studies, forestry research work etc. They are suitable for the simulation of temperature and relative humidity values above freezing point. Chamber illumination with fluorescent or ultra violet lights along with cyclic timer gives the user the flexibility to simulate day/night conditions inside the chamber.

The chambers are constructed of double walls, the exterior is made of sheet steel while the interior is of stainless steel. A powerful air circulating fan creates positive air flow to maintain uniform conditions within the chamber. Soft touch keyboard ensures fast and accurate setting of various parameters.

Salient Features:

- Digital display of temperature & humidity
- Menu driven 10 program memory
- User friendly Microprocessor Design / Operation
- Safety thermostat to prevent over heating
- Audio Visual alarm warnings of Temp. & RH variation and low water level
- Built in safety circuit, which cuts off system & stops unit in case of malfunction of microprocessor
- Capacitance type humidity sensor for direct display of humidity in % RH
- Centronics interface for keeping hard copy of Temp., Humidity, Time & Date
- Non volatile memory for data storage of up to 2500 records
- Adjustable print interval
- High voltage safety cutoff for unit protection

Optional :

- RS-485 Interface to personal computer for multiple networking of chambers
- Chamber illumination with fluorescent or ultra violet lights
- Cyclic timer for regulating illumination conditions

Technical Data						
	CHM-6S	SGM-6S	CHM-10S	SGM-10S	CHM-12S	CHM-16S
Internal Volume	170 LTRS		285 LTRS		340 LTRS	500 LTRS
No. of Shelves	2	3	3	5	3	5
Int. Dimensions W X D X H (mm)	500X410X840		580X490X990		620X520X1020	700X600X1100
Ext. Dimensions W X D X H (mm)	620X670X1380		700x750x1530		740X780x1510	830x870X1770
Temperature Control	Microprocessor					
Temperature Range	10°C to 60°C±1°C					
Humidity Range (RH)	40% to 95% ± 3%					
Inner Chamber Material	Stainless steel 304 (AISI Grade, Non Corrosive, Non Magnetic)					
Outer Body Material	Powder coated CRCA steel					
Recommended Voltage Stabilizer	VS - 04					
Electrical	220-240 volts, 50 Hz, Single Phase					

